

LOS ANGELES COUNTY
AGRICULTURAL COMMISSIONER/WEIGHTS AND MEASURES
ENVIRONMENTAL TOXICOLOGY LABORATORY

Supplemental Report on 2011 Bottled Water Quality Study
COMPARISON OF 1999 AND 2011 BOTTLED WATER QUALITY STUDIES

REPORT SUMMARY

March 6, 2012

On November 29, 2011, the Board of Supervisors directed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures (ACWM) to produce a side-by-side comparison report specifically regarding all brands of bottled water that were mutually tested in both of the bottled water quality studies of 2011 and 1999. Of the 37 brands of bottled water tested in the 1999 Study, 18 brands were found to be still produced and available for testing in 2011. The remaining 19 brands were found to be no longer available for sale in Los Angeles County.

The 18 brands tested in both studies were:

- | | | |
|---------------------|---------------|-----------------|
| • Aquafina | • Evian | • Pure American |
| • Arrowhead | • Gerber | • Refreshe |
| • Classic Selection | • Fiji | • Rockview |
| • Crystal Geyser | • Great Value | • Sahara |
| • Crystal Lake | • Naya | • Sparkletts |
| • Dasani | • Niagara | • Springfield |

The 19 brands no longer available in Los Angeles County were:

- | | | |
|-------------------|---------------------|--------------------|
| • Calistoga | • Lucky | • Ramona |
| • Castle Rock | • Noy | • Red & White |
| • Cobb Mountain | • Oasis | • Relief from Hell |
| • Crystal Glacier | • Ojai | • Rocky Mountain |
| • Dannon | • Palomar Mountain | • Ross Swiss |
| • High Sierra | • Private Selection | • Sport Cap |
| • Lady Lee | | |

Test results from analyses of the 18 brands of water tested in both 1999 and 2011 showed **NONE of the brands exceeded either State Maximum Contaminant Levels (MCLs) or Action Levels for:** Aluminum, Arsenic, Cadmium, Lead, Mercury, and all other contaminants tested for which regulatory limits have been established.

NOTE: Neither Heterotrophic Plate Count (HPC) nor Chromium+6 (Cr+6) have an established Maximum Contaminant Level (MCL) to be applied.

While none of the bottled water samples tested in 1999 and 2011 exceeded the state MCL or Action Level for contaminants, a number of them did show detectible levels of test parameters as summarized in Attachments A, B, and C of the Final Report.

Attached is a table of the brand-specific results for each test parameter.

LOS ANGELES COUNTY
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ENVIRONMENTAL TOXICOLOGY LABORATORY

Comparisons Between 2011 vs 1999 Studies

-- Exceedances --

	<u>2011</u>	<u>1999</u>
Brands tested in BOTH studies	18 (of 63 total)	18 (of 37 total)
<i>Note: Only 7 tested for Metals, TTHM, VOC's and Pesticides</i>		
<u>MCLs & Brands Exceeding</u>		
HPC = No MCL Set	--No MCL Established--	--No MCL Established--
Color = 15	None Above MCL	None Above MCL
Odor = Threshold Odor No.3	None Above MCL	None Above MCL
Turbidity = 5 NTU	None Above MCL	None Above MCL
TDS = 500 ppm	None Above MCL	None Above MCL
Aluminum = 200 ppb	None Above MCL	None Above MCL
Arsenic = 10 ppb	None Above MCL	None Above MCL
Barium = 2000 ppb	None Above MCL	None Above MCL
Cadmium = 5 ppb	None Above MCL	None Above MCL
Total Chromium = 100 ppb	None Above MCL	None Above MCL
Chromium+6 = No MCL Set	--No MCL Established--	--Not Tested in 1999 Study--
Copper = 1000 ppb	None Above MCL	None Above MCL
Iron = 300 ppb	None Above MCL	None Above MCL
Lead = 5 ppb	None Above MCL	None Above MCL
Manganese = 50 ppb	None Above MCL	None Above MCL
Mercury = 2 ppb	None Above MCL	None Above MCL
Selenium = 50 ppb	None Above MCL	None Above MCL
Silver = 100 ppb	None Above MCL	None Above MCL
Zinc = 5000 ppb	None Above MCL	None Above MCL
TTHM = 10 ppb	None Above MCL	None Above MCL
VOCs Range 2 - 10000 ppb	None Above MCL	None Above MCL
Pesticides Range 0.2 - 50 ppb	None Above MCL	None Above MCL

MCL= Maximum Contaminant Level



Supplemental Report on

2011 Bottled Water Quality Study

Comparison of 2011 vs 1999 Same-Brand Analyses Results

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March 6, 2012

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Executive Summary

Comparison of 1999 and 2011 Bottled Water Quality Studies

On July 26, 2011, the Los Angeles County Board of Supervisors directed the Environmental Toxicology Bureau of the Department of Agricultural Commissioner/Weights and Measures (ACWM) to conduct a study of the quality of bottled water available throughout Los Angeles County to test for presence of bacteria, general physical properties (color, odor, turbidity), total dissolved solids, trace metals (aluminum, arsenic, barium, cadmium, total chromium, chromium+6, copper, iron, lead, manganese, mercury, selenium, silver, and zinc), total trihalomethanes, volatile organic chemicals and pesticides and to report the findings to the Board. A total of 123 samples representing 63 different brands of bottled water were purchased and tested. Two samples of each representative brand were acquired, each from different locations within the county, with the exception of three brands of water also analyzed in the 1999 study that were uncovered during a follow up search (only one bottle was tested from each of these three brands).

This study was a follow-up to a 1999 Bottled Water Quality Study for which a report was issued on February 28, 2000. In the 1999 Report, 37 different brands of bottled water were tested. This recent study, which involved analyses of 63 different brands of bottled water, was completed and reported to the Board on November 29, 2011. At the Board meeting of November 29, 2011, ACWM was instructed to produce a side-by-side comparison of 37 brands of bottled water that were tested for the above potential contaminants in both 2011 and 1999.

This supplemental report presents, specifically, the comparative results of 18 brands of bottled water analyzed in each of the studies of 1999 and 2011.

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Differences Between 1999 and 2011 Bottled Water Studies/Sampling

--1999 Study--

202 bottles of drinking water, representing **37 brands**, were acquired for analysis.

- **Each** sample was **tested for**:
 - Heterotrophic Plate Count Bacteria
 - Coliform Bacteria
 - General Physical Properties (color, odor, turbidity)
 - Total Dissolved Solids
- **Only 20% (41 individual bottles) were randomly selected for additional analyses** to test for:
 - Trace Metals (including Arsenic, Total Chromium, and Lead)
 - Total Trihalomethanes
 - Volatile Organic Chemicals (VOCs)
 - Pesticides
- The 41 randomly-selected bottles represented **16 different brands**
- **No tests for Chromium+6 were conducted in the 1999 study.**

--2011 Study--

123 bottles of drinking water, representing **63 brands** were acquired for analysis.

- **Each** of the 123 samples was **tested for all mentioned contaminants.**

Of the 37 brands tested for the potential contaminants (except Chromium+6) in 1999, **18 were still available in the marketplace and included in the 63 different brands tested in the 2011 study for the following:**

(Please refer to Attachment A)

- Heterotrophic Plate Count Bacteria
- Coliform Bacteria
- General Physical Properties (color, odor, turbidity)
- Total Dissolved Solids

However, of the 18 brands tested in the 2011 study for presence of the above contaminants, **only 7 brands had been tested in the 1999 study for the following:**

- Trace Metals (including Arsenic, Total Chromium, and Lead)
- Total Trihalomethanes
- Volatile Organic Chemicals (VOCs)
- Pesticides

Therefore, the balance of this report reflects comparative laboratory analyses results of those **18 brands tested under both studies for the first four contaminants** and the comparative results of **7 brands tested under both studies for the latter categories**.

Heterotrophic Plate Count Bacteria

Of the 18 brands tested in both 1999 and 2011, **four (4) brands** (22%) were found to have a **detectable presence** of Heterotrophic Plate Count (HPC) bacteria **in the 2011 study**. **In the 1999 Study, twelve (12) brands** (67%) of the 18 had a detectable HPC presence.

- **State and Federal governments do not regulate HPC bacteria in bottled water.**
- **No regulatory standards establish limits for HPC bacteria in bottled water.**

While the California Health and Safety Code requires bottled water to be subjected to disinfection treatment, the requirement is waived for bottled water with sources outside the United States. Therefore, bottled water sold in stores may or may not be disinfected, depending upon the country of origin.

Coliform Bacteria

None of the 18 brands tested in both studies were **found to contain Coliform bacteria** in **either of the 2011 and 1999 studies**.

Coliform bacteria are not likely to cause illness. However, their presence in drinking water indicates that disease-causing organisms (pathogens) may be in the water.

Total Dissolved Solids

None of the 18 brands tested in both studies **exceeded State water quality standards** for Total Dissolved Solids (TDS), established at 500 parts per million (ppm).

- In **2011**, the **highest concentration** of TDS found was **318 ppm**
- In **1999**, the **highest concentration** of TDS found was **322 ppm**

Amounts of TDS present in bottled water are proportional to the concentrations of the waters' mineral ion content.

General Physical Properties (Color / Odor / Turbidity)

None of the 18 brands tested in both studies was found to have a detectable level of **color or odor** in **either of the 2011 or 1999 studies**.

In the **2011 study**, **none of the 18 brands** contained **detectable turbidity**

In the **1999 study**, **three (3) brands** contained **detectable turbidity**

- Each well **below the State limit** of five (5) nephelometric turbidity units (NTU)
- The **most turbid sample** produced a result of **0.30 NTU**.

Total Trihalomethanes (TTHM)

In the **2011 study**, **two (2) brands** contained **detectable TTHM**

- **Each** was **below the State limit** of ten (10) parts per billion (ppb).
- The **highest concentration** of TTHM found was **8.08 ppb**.

In the **1999 study**, **one (1) brand** contained **detectable TTHM**

- The concentration was **below the State limit** of ten (10) parts per billion (ppb).
- The **concentration** of TTHM found was **0.757 ppb**.

Total Trihalomethanes (TTHM) are by-products of disinfecting water with chlorine and may or may not be present in bottled water. If water used for bottling originates from a chlorinated source, or if the bottler employs chlorine to disinfect water before bottling, the resulting bottled water may potentially contain total trihalomethanes.

- **State standard (MCL*)** for TTHM in bottled water is **10 parts per billion (ppb)**.
- **Federal standard (MCL*)** for TTHM in **bottled water** is **100 ppb**.

Trace Metals

All **18 brands** were tested for presence of **14 different metals** in the **2011 study**, including aluminum, arsenic, barium, cadmium, total chromium, chromium+6, copper, iron, lead, manganese, mercury, selenium, silver and zinc.

Only 7 brands matching those in 2011 study had been tested for **13 different metals** in the **1999 study**. **(No tests were conducted for Chromium+6 in the 1999 study)**

No samples were found to contain **any metals exceeding the respective Maximum Contaminant Levels (MCLs*)** in **either the 1999 or 2011 studies**.

* MCL = "Maximum Contaminant Level"

Volatile Organic Chemicals

All **18 brands** were **tested for** presence of **volatile organic chemicals** in **2011 study**.

Only **7 brands** matching those of 2011 study were **tested for VOCs** in the **1999 study**.

- **None** of the **18 brands** were found to contain **detectable VOCs** in the **2011 study**.
- **None** of the **7 brands** were found to contain **detectable VOCs** in the **1999 study**.

Pesticides

All **18 brands** were **tested for** presence of **organohalide pesticides** in **2011 study**.

Only **7 brands** matching those of 2011 study were **tested for organohalide pesticides** in the **1999 study**

- **None** of the **18 brands** were found to contain **detectable organohalide pesticides** in the **2011 study**.
- **None** of the **7 brands** were found to contain **detectable organohalide pesticides** in the **1999 study**.

Side-by-Side Comparison Results

18 bottled water brands were mutually sampled in both studies of 1999 and 2011 and tested for Total Coliform, E. coli, Heterotrophic Plate Count Bacteria, General Physical Properties (color/odor/turbidity), Total Dissolved Solids, Metals (including Chromium+6), Total Trihalomethanes, Volatile Organic Chemicals and Organohalide Pesticides.

- A side-by-side test result comparison is provided in **Attachment A**.
- **Attachment A** contains specific, tabulated results for each brand tested.

The Environmental Toxicology Laboratory is responsible for producing test results by using State- or EPA-approved methods. The Laboratory established an automatic alert system, along with immediate direct notification, when any test result was found to be above the regulatory limits. The Los Angeles County Department of Public Health, Environmental Health, Water Quality Program was the direct contact and the Food and Drug Branch (FDB) of the California Department of Public Health is the regulatory agency with enforcement authority for bottled water. The Los Angeles County Department of Public Health, Environmental Health Division, Water Quality Program, notified the FDB of the Environmental Toxicology Bureau bottled water study results and provided the FDB with a copy of the bottled water report. The findings in the report will be reviewed by the FDB to determine the appropriate actions to be taken.

Total Coliform and HPC Bacteria

No brands were found to have **presence of Total Coliform or E. Coli Bacteria** in either of the **2011 or 1999 studies**.

Fourteen (14) brands were found to contain no detectable HPC bacteria in the **2011 study** and **six (6) brands** were found to contain no detectable HPC bacteria in the **1999 study**.

Four (4) brands were found to have **HPC bacteria** levels at concentrations ranging from 3 to 36.5 colony forming units per milliliter of sample (cfu/ml) **in the 2011 study**. **In the 1999 study, twelve (12) brands** were found to have **HPC bacteria** levels at concentrations ranging from 2 to 5700 cfu/ml.

There is no established Maximum Contaminant Level (MCL) for HPC bacteria. HPC bacteria do not necessarily pose health risks to humans, but may be employed as an indicator of the overall sanitation conditions existing during the bottling process. Presence of high numbers of non-coliform HPC bacteria may inhibit the detection of coliform bacteria during testing.

Table 1 displays percentile comparison for detectable HPC found among all 18 brands. Table 2 displays the detectable levels of HPC bacteria found according to brand.

Table 1: Detectable Heterotrophic Plate Count Bacteria; 2011 vs 1999 Comparison

Contaminant: HPC Bacteria	Detection Limit (cfu/ml)	Brands with Detectable Level	% with Detectable Level	Remark
2011 Study	2	4	22.2%	No MCL Established
1999 Study	2	12	66.7%	No MCL Established

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Table 2: HPC Bacteria; Detectable Levels by Brand – 2011 vs 1999 Comparison

Brand Name	2011 Bacteria Count (cfu/ml)	1999 Bacteria Count (cfu/ml)	Remark
Aquafina	3	24.4	No MCL Established
Arrowhead	<i>Not Detected</i>	2.59	No MCL Established
Classic Selection	9.5	<i>Not Detected</i>	No MCL Established
Crystal Geyser	<i>Not Detected</i>	<i>Not Detected</i>	No MCL Established
Crystal Lake	<i>Not Detected</i>	<i>Not Detected</i>	No MCL Established
Dasani	<i>Not Detected</i>	7.5	No MCL Established
Evian	36.5	786	No MCL Established
Fiji	<i>Not Detected</i>	1120	No MCL Established
Gerber	<i>Not Detected</i>	<i>Not Detected</i>	No MCL Established
Great Value	<i>Not Detected</i>	3017	No MCL Established
Naya	4	<i>Not Detected</i>	No MCL Established
Niagara	<i>Not Detected</i>	3760	No MCL Established
Pure American	<i>Not Detected</i>	5700	No MCL Established
Refreshe	<i>Not Detected</i>	2960	No MCL Established
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	No MCL Established
Sahara	<i>Not Detected</i>	925	No MCL Established
Sparkletts	<i>Not Detected</i>	227	No MCL Established
Springfield	<i>Not Detected</i>	2687	No MCL Established

HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in drinking water. The lower the concentration of bacteria in drinking water, the better maintained the water system is. HPC measures a range of bacteria that are naturally present in the environment.

NOTE: No Maximum Contaminant Level is established for HPC Bacteria.

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General Physical Properties (Color / Odor / Turbidity)

No brands were found to have any **detectable Color or Odor in either 2011 or 1999.**

No brands were found to have **detectable presence of Turbidity in 2011.**

Three (3) brands were found to have **detectable presence of Turbidity in 1999,** however, **each level** was **significantly below** the **State limit of 5 NTU.**

The most turbid level found (1999) was 0.30 NTU.

Table 3 displays a summary of detectable Turbidity found among 18 brands tested.
Table 4 displays Detectable Turbidity Levels measured according to brand.

Table 3: Turbidity; 2011 vs 1999 Comparison

Contaminant: Turbidity	Detection Limit (NTU)	Brands with Detectable Levels	% with Detectable Level	Remark
2011 Study	0.1	0	0%	None above MCL of 5 NTU
1999 Study	0.1	3	16.7%	None above MCL of 5 NTU

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Table 4: Detectable Turbidity Levels According to Brand

Brand Name	2011 Turbidity Unit (NTU)	1999 Turbidity Unit (NTU)	Remark
Aquafina	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Arrowhead	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Classic Selection	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Crystal Geyser	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Crystal Lake	<i>Not Detected</i>	0.21	MCL = 5 NTU
Dasani	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Evian	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Fiji	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Gerber	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Great Value	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Naya	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Niagara	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Pure American	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Refreshe	<i>Not Detected</i>	0.12	MCL = 5 NTU
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Sahara	<i>Not Detected</i>	0.295	MCL = 5 NTU
Sparkletts	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU
Springfield	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 5 NTU

Note: No brands found to exceed Maximum Contaminant Level (MCL) in either study

Total Dissolved Solids (TDS)

Sixteen (16) brands (88.9%) had detectable presence of TDS in the 2011 study.
Seventeen (17) brands (94.4%) had detectable presence of TDS in 1999 study.

The State MCL for Total Dissolved Solids in bottled drinking water is 500 ppm.

None of the 18 brands were found to exceed the State MCL for TDS

Table 5 displays results reflecting detectable TDS levels found among 18 brands.
 Table 6 displays results reflecting detectable TDS concentrations according to brand.

Table 5: Total Dissolved Solids; 2011 vs 1999 Comparison.

Contaminant: Total Dissolved Solids	Detection Limit ppm	Brands with Detectable Level	% with Detectable Level	Remark
2011 Study	1.0	16	88.9%	None above MCL of 500 ppm
1999 Study	1.0	17	94.4%	None above MCL of 500 ppm

Table 6: Detectable Total Dissolved Solids Levels According to Brand

Brand Name	2011 Total Dissolved Solids (ppm)	1999 Total Dissolved Solids (ppm)	Remark
Aquafina	4.5	13.3	MCL = 500 ppm
Arrowhead	260	96.4	MCL = 500 ppm
Classic Selection	3.5	166	MCL = 500 ppm
Crystal Geyser	143	107	MCL = 500 ppm
Crystal Lake	111	<i>Not Detected</i>	MCL = 500 ppm
Dasani	20	32.4	MCL = 500 ppm
Evian	318	322	MCL = 500 ppm
Fiji	223	163	MCL = 500 ppm
Gerber	88.5	70	MCL = 500 ppm
Great Value	54	54	MCL = 500 ppm
Naya	251	223	MCL = 500 ppm
Niagara	6.5	11.6	MCL = 500 ppm
Pure American	169	70	MCL = 500 ppm
Refreshe	51	164	MCL = 500 ppm
Rockveiw	<i>Not Detected</i>	135	MCL = 500 ppm
Sahara	57	191	MCL = 500 ppm
Sparkletts	15	31.1	MCL = 500 ppm
Springfield	<i>Not Detected</i>	10	MCL = 500 ppm

NOTE: No brand was found to have TDS exceeding the MCL of 500 ppm.

Metals

2011 Study:

All **18 bottled water brands** were **tested for** presence of **14 different Metals**:

Aluminum, Arsenic, Barium, Cadmium, Total Chromium, Chromium+6, Copper, Iron, Lead, Manganese, Mercury, Selenium, Silver, and Zinc.

1999 Study:

7 bottled water brands (matching those tested in the 2011 study) had been **tested for** presence of **13 different Metals**:

Aluminum, Arsenic, Barium, Cadmium, Total Chromium, Copper, Iron, Lead, Manganese, Mercury, Selenium, Silver, and Zinc.

--- No tests were conducted in the 1999 study for Chromium+6---

No brands (either 2011 or 1999) **had any Metals exceeding respective State MCLs.**

One (1) brand was found to have **detectable level** of **Aluminum** in **1999 study**:

Brand: **Rockview** Respective concentration: **58.6 ppb**

The State-established MCL for Aluminum is 200 ppb

None of 7 brands were found to have **detectable concentrations of**:

Arsenic, Barium, Cadmium, Total Chromium, Copper, Iron, Lead, Manganese, Selenium, Silver, Mercury or Zinc in 1999 study.

No brands in the **2011 study** were found to have **detectable concentrations of**:
Aluminum, Cadmium, Total Chromium, Lead, Selenium, Silver, Mercury or Zinc.

In the 2011 study:

Three (3) bottled water brands were found to have **detectable levels** of **Chromium+6**

Brand: **Arrowhead** Respective concentration: **0.43 ppb**

Brand: **Crystal Geyser** Respective concentration: **0.35 ppb**

Brand: **Fiji** Respective concentration: **0.33 ppb**

There is no State- or EPA-established MCL for Chromium+6.

Two (2) bottled water brands were found to have **detectable levels** of **Arsenic**

Brand: **Crystal Geyser** Respective concentration: **1.44 ppb**

Brand: **Naya** Respective concentration: **1.65 ppb**

Each concentration was **significantly below State-established MCL of 10 ppb.**

Other metal analyses (Barium, Copper, Iron, Manganese) resulted in some findings of detectable levels. However, **each** was **significantly below the respective State MCL**.

Metal Analyses Summaries are displayed in Tables 7-14 below.

Table 7: 2011 vs 1999 Comparison Results – Detected Metals (overall)

Contaminant	Detection Limit (ppb)	2011 Brand with Detectable Levels	1999 Brand with Detectable Levels	Remarks
Aluminum	50	0	1	None above MCL of 200 ppb
Arsenic	1	2	0	None above MCL of 10 ppb
Barium	50	1	0	None above MCL of 2000 ppb
Copper	10	1	0	None above MCL of 1000 ppb
Iron	50	1	0	None above MCL of 300 ppb
Manganese	20	1	0	None above MCL of 50 ppb
Chromium+6	0.25	3	Not Tested in 1999	No MCL Established
Total Chromium	2.5	0	0	None above MCL of 100 ppb

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Table 8: Chromium+6; Detectable Levels by Brand

Brand Name	2011 Detection Level = 0.25ppb	1999 Detection Level = 0.25ppb	Remark
Aquafina	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Arrowhead	0.43	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Classic Selection	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Crystal Geyser	0.35	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Crystal Lake	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Dasani	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Evian	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Fiji	0.33	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Gerber	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Great Value	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Naya	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Niagara	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Pure American	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Refreshe	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Rockview	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Sahara	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Sparkletts	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established
Springfield	<i>Not Detected</i>	<i>No Cr+6 Tests Done in 1999 Study</i>	No MCL Established

NOTE: No MCL is established for Chromium+6

In July 2011, the California EPA's Office of Environmental Health Hazard Assessment (OEHHA) announced that the Public Health Goal (PHG) for Chromium+6 would be established at 0.02 parts per billion (ppb). The PHG for Chromium+6 is not a maximum "safe" level for exposure to the chemical. Rather, it serves as an assessment of the health risk posed by drinking water that contained Chromium+6 based on an estimated "one-in-one million" lifetime cancer risk level.

Table 9: Arsenic; Detectable Levels by Brand

Brand Name	2011 Detection Limit = 1 ppb	1999 Detection Limit = 1 ppb	Remark
Aquafina	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Arrowhead	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 10 ppb
Classic Selection	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Crystal Geyser	1.44	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Crystal Lake	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 10 ppb
Dasani	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Evian	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Fiji	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Gerber	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Great Value	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 10 ppb
Naya	1.65	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Niagara	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 10 ppb
Pure American	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Refreshe	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 10 ppb
Sahara	<i>Not Detected</i>	<i>Not Tested for Arsenic in 1999 study</i>	MCL = 10 ppb
Sparkletts	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 10 ppb
Springfield	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 10 ppb

Note: Shaded brands tested for Arsenic in both 2011 and 1999 studies
No sample exceeded the MCL of 10 ppb.

Table 10: Barium; Detectable Levels by Brand

Brand Name	2011 Detection Limit =50 ppb	1999 Detection Limit = 50 ppb	Remark
Aquafina	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Arrowhead	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 2000 ppb
Classic Selection	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Crystal Geyser	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Crystal Lake	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 2000 ppb
Dasani	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Evian	117	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Fiji	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Gerber	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Great Value	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 2000 ppb
Naya	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Niagara	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 2000 ppb
Pure American	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Refreshe	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 2000 ppb
Sahara	<i>Not Detected</i>	<i>Not Tested for Barium in 1999 Study</i>	MCL = 2000 ppb
Sparkletts	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 2000 ppb
Springfield	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 2000 ppb

Note: Shaded brands tested for Barium in both 2011 and 1999 studies
No sample exceeded the MCL of 2000 ppb.

Table 11: Total Chromium; Detectable Levels by Brand

Brand Name	2011 Detection Limit = 2.5 ppb	1999 Detection Limit = 2.5 ppb	Remark
Aquafina	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Arrowhead	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 100 ppb
Classic Selection	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Crystal Geyser	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Crystal Lake	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 100 ppb
Dasani	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Evian	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Fiji	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Gerber	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Great Value	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 100 ppb
Naya	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Niagara	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 100 ppb
Pure American	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Refreshe	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 100 ppb
Sahara	<i>Not Detected</i>	<i>Not Tested for Total Chromium in 1999 Study</i>	MCL = 100 ppb
Sparkletts	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 100 ppb
Springfield	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 100 ppb

Note: Shaded brands tested for Total Chromium in both 2011 and 1999 studies

Table 11 is provided due to detected Chromium+6 levels shown in Table 8.
 Total Chromium is the combination of Chromium+6 and Chromium+3.
 The Detection Limit (lower reporting level) for Total Chromium is 2.5 ppb.
 Therefore, no detectable levels are displayed in the table above.

Table 12: Copper; Detectable Levels by Brand

Brand Name	2011 Detection Limit =10 ppb	1999 Detection Limit = 10 ppb	Remark
Aquafina	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Arrowhead	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 1000 ppb
Classic Selection	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Crystal Geyser	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Crystal Lake	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 1000 ppb
Dasani	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Evian	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Fiji	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Gerber	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Great Value	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 1000 ppb
Naya	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Niagara	54	<i>Not Detected</i>	MCL = 1000 ppb
Pure American	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Refreshe	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 1000 ppb
Sahara	<i>Not Detected</i>	<i>Not Tested for Copper in 1999 Study</i>	MCL = 1000 ppb
Sparkletts	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 1000 ppb
Springfield	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 1000 ppb

Note: Shaded brands tested for Copper in both 2011 and 1999 studies
No sample exceeded the MCL of 1000 ppb.

Table 13: Iron; Detectable Levels by Brand

Brand Name	2011 Detection Limit = 50 ppb	1999 Detection Limit = 50 ppb	Remark
Aquafina	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Arrowhead	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 300 ppb
Classic Selection	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Crystal Geyser	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Crystal Lake	104	<i>Not Detected</i>	MCL = 300 ppb
Dasani	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Evian	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Fiji	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Gerber	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Great Value	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 300 ppb
Naya	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Niagara	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 300 ppb
Pure American	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Refreshe	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 300 ppb
Sahara	<i>Not Detected</i>	<i>Not Tested for Iron in 1999 Study</i>	MCL = 300 ppb
Sparkletts	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 300 ppb
Springfield	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 300 ppb

Note: Shaded brands tested for Iron in both 2011 and 1999 studies
No sample exceeded the MCL of 300 ppb.

Table 14: Manganese; Detectable Levels by Brand

Brand Name	2011 Detection Limit = 20 ppb	1999 Detection Limit = 20 ppb	Remark
Aquafina	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Arrowhead	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 50 ppb
Classic Selection	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Crystal Geyser	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Crystal Lake	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 50 ppb
Dasani	23.1	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Evian	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Fiji	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Gerber	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Great Value	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 50 ppb
Naya	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Niagara	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 50 ppb
Pure American	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Refreshe	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Rockview	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 50 ppb
Sahara	<i>Not Detected</i>	<i>Not Tested for Manganese in 1999 Study</i>	MCL = 50 ppb
Sparkletts	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 50 ppb
Springfield	<i>Not Detected</i>	<i>Not Detected</i>	MCL = 50 ppb

Note: Shaded brands tested for Manganese in both 2011 and 1999 studies
No sample exceeded the MCL of 50 ppb.

Total Trihalomethanes (TTHM)

Two (2) brands were found to have **detectable presence of TTHM in 2011**, however, **each level was below the State limit of 10 ppb**.

Brand: **Sahara**
Brand: **Springfield**

Respective concentrations: **8.08 ppb**
Respective concentrations: **3.04 ppb**

One (1) brand was found to have **detectable presence of TTHM in 1999**, however, **the level was below the State limit of 10 ppb**.

Brand: **Rockview**

Respective concentrations: **0.757 ppb**

Table 15: TTHM 2011 vs 1999 Comparison

Contaminant: Turbidity	Detection Limit (ppb)	Brands with Detectable Levels	% with Detectable Level	Remark
2011 Study	0.5	2	11.1%	None above MCL of 10 ppb
1999 Study	0.5	1	5.55%	None above MCL of 10 ppb

Volatile Organic Chemicals (VOC) and Organohalide Pesticides

None of the 18 brands had **detectable levels of VOC or Organohalide Pesticides in the 2011 study**.

None of the 7 brands (matching those of 2011 study) **had detectable levels of VOC or Organohalide Pesticides in the 1999 study**.

Comparisons Between 2011 vs 1999 Studies

-- Detectable Presence --

	<u>2011</u>	<u>1999</u>
Brands tested in BOTH studies	18 (of 63 total)	18 (of 37 total)
		<i>Note: Only 7 tested for Metals, TTHM, VOC's and Pesticides</i>
Brands with Detectable Levels (Above Detection Limit)		
HPC >= 2 cfu/ml	4 (22.2%)	12 (66.7%)
Coliform = Absent	0	0
E.coli = Absent	0	0
Color > 0	0	0
Odor > 0	0	0
Turbidity >= 0.1 NTU	0	3 (16.7%)
TDS >= 1 ppm	16 (88.9%)	17 (94.4%)
Aluminum >= 50 ppb	0	1 (5.55%)
Arsenic >= 1.0 ppb	2 (11.1%)	0
Barium >= 50 ppb	1 (5.55%)	0
Cadmium >= 1 ppb	0	0
Total Chromium >= 2.5 ppb	0	0
Chromium+6 >= 0.25 ppb	3 (16.7%)	No Tests for Cr+6 done in 1999
Copper >= 10.0 ppb	1 (5.55%)	0
Iron >= 50 ppb	1 (5.55%)	0
Lead >= 1.0 ppb	0	0
Manganese >= 20 ppb	1 (5.55%)	0
Mercury >= 0.5 ppb	0	0
Selenium >= 5 ppb	0	0
Silver >= 1 ppb	0	0
Zinc >= 50 ppb	0	0
TTHM >= 0.5 ppb	2 (11.1%)	1 (5.55%)
VOCs >= 0.5 ppb	0	0
Pesticides Range 0.01-10 ppb	0	0

Comparisons Between 2011 vs 1999 Studies

-- Exceedances --

	<u>2011</u>	<u>1999</u>
Brands tested in BOTH studies	18 (of 63 total)	18 (of 37 total)
<i>Note: Only 7 tested for Metals, TTHM, VOC's and Pesticides</i>		
<u>MCLs & Brands Exceeding</u>		
HPC = No MCL Set	--No MCL Established--	--No MCL Established--
Color = 15	None Above MCL	None Above MCL
Odor = Threshold Odor No.3	None Above MCL	None Above MCL
Turbidity = 5 NTU	None Above MCL	None Above MCL
TDS = 500 ppm	None Above MCL	None Above MCL
Aluminum = 200 ppb	None Above MCL	None Above MCL
Arsenic = 10 ppb	None Above MCL	None Above MCL
Barium = 2000 ppb	None Above MCL	None Above MCL
Cadmium = 5 ppb	None Above MCL	None Above MCL
Total Chromium = 100 ppb	None Above MCL	None Above MCL
Chromium+6 = No MCL Set	--No MCL Established--	--Not Tested in 1999 Study--
Copper = 1000 ppb	None Above MCL	None Above MCL
Iron = 300 ppb	None Above MCL	None Above MCL
Lead = 5 ppb	None Above MCL	None Above MCL
Manganese = 50 ppb	None Above MCL	None Above MCL
Mercury = 2 ppb	None Above MCL	None Above MCL
Selenium = 50 ppb	None Above MCL	None Above MCL
Silver = 100 ppb	None Above MCL	None Above MCL
Zinc = 5000 ppb	None Above MCL	None Above MCL
TTHM = 10 ppb	None Above MCL	None Above MCL
VOCs Range 2 - 10000 ppb	None Above MCL	None Above MCL
Pesticides Range 0.2 - 50 ppb	None Above MCL	None Above MCL

MCL= Maximum Contaminant Level

Attachment A: 2011 vs 1999 Bottled Water Study Side-by-Side Comparison (18 of 37 Brands Compared)

Sample ID	Color	Odor	Turbidity	Total Dissolved Solids	Chromium+6	Aluminum	Arsenic	Barium	Cadmium	Total Chromium	Copper	Iron	Lead	Manganese	Selenium	Silver	Zinc	Mercury	Total Coliform	E. coli	Heterotrophic Plate Count Bacteria	Bromo-dichloromethane	Bromoform	Dibromochloro-methane	Chloroform	Total Trihalomethanes	Other VOCs Volatile Organic Chem's	Pesticide
Lab Detection Limit	0	0	0.1 NTU	1 mg/L	0.25ppb	50ppb	1ppb	50ppb	1ppb	2.5ppb	10ppb	50ppb	1ppb	20ppb	5ppb	1ppb	50ppb	0.5ppb	None	None	2 cfu/ml	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.1-1 ug/L
MCL/Action Level	15	3	5 NTU	500mg/L	No MCL	200ppb	10ppb	2000ppb	5ppb	100ppb	1000ppb	300ppb	5ppb	50ppb	50ppb	100ppb	5000ppb	2ppb	None	None	No MCL	10ug/L	10ug/L	10ug/L	10ug/L	10ug/L	2-10000ug/L	0.2-50ug/L
Aquafina-2011	0	0	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	
Aquafina-1999	0	0	ND	13.3	*****Not Tested for Metals in 1999 Study*****														ND	ND	24.4	****Not Tested for Above Contaminants in 1999 Study****						
Arrowhead-2011	0	0	ND	260	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Arrowhead-1999	0	0	ND	96.4	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.59	ND	ND	ND	ND	ND	ND	
Classic Selection-2011	0	0	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.5	ND	ND	ND	ND	ND	ND	
Classic Selection-1999	0	0	ND	166	*****Not Tested for Metals in 1999 Study*****														ND	ND	ND	****Not Tested for Above Contaminants in 1999 Study****						
Crystal Geyser-2011	0	0	ND	143	0.35	ND	1.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Crystal Geyser-1999	0	0	ND	107	*****Not Tested for Metals in 1999 Study*****														ND	ND	ND	****Not Tested for Above Contaminants in 1999 Study****						
Crystal Lake-2011	0	0	ND	111	ND	ND	ND	ND	ND	ND	ND	104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Crystal Lake-1999	0	0	0.21	ND	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dasani-2011	0	0	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dasani-1999	0	0	ND	32.4	*****Not Tested for Metals in 1999 Study*****														ND	ND	7.5	****Not Tested for Above Contaminants in 1999 Study****						
Evian-2011	0	0	ND	318	ND	ND	ND	117	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.5	ND	ND	ND	ND	ND	ND	
Evian-1999	0	0	ND	322	*****Not Tested for Metals in 1999 Study*****														ND	ND	786	****Not Tested for Above Contaminants in 1999 Study****						
Fiji-2011	0	0	ND	223	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fiji-1999	0	0	ND	163	*****Not Tested for Metals in 1999 Study*****														ND	ND	1120	****Not Tested for Above Contaminants in 1999 Study****						
Gerber-2011	0	0	ND	88.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Gerber-1999	0	0	ND	70	*****Not Tested for Metals in 1999 Study*****														ND	ND	ND	****Not Tested for Above Contaminants in 1999 Study****						
Great Value-2011	0	0	ND	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Great Value-1999	0	0	ND	54	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3017	ND	ND	ND	ND	ND	ND	
Naya-2011	0	0	ND	251	ND	ND	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	
Naya-1999	0	0	ND	223	*****Not Tested for Metals in 1999 Study*****														ND	ND	ND	****Not Tested for Above Contaminants in 1999 Study****						
Niagara-2011	0	0	ND	6.5	ND	ND	ND	ND	ND	ND	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Niagara-1999	0	0	ND	11.6	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3760	ND	ND	ND	ND	ND	ND	
Pure American-2011	0	0	ND	169	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pure American-1999	0	0	ND	70	*****Not Tested for Metals in 1999 Study*****														ND	ND	5700	****Not Tested for Above Contaminants in 1999 Study****						
Refreshe-2011	0	0	ND	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Refreshe-1999	0	0	0.12	164	*****Not Tested for Metals in 1999 Study*****														ND	ND	2960	****Not Tested for Above Contaminants in 1999 Study****						
Rockview-2011	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Rockview-1999	0	0	ND	135	N/A	58.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.757	0.757	ND	ND	
Sahara-2011	0	0	ND	57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.08	8.08	ND	ND	
Sahara-1999	0	0	0.295	191	*****Not Tested for Metals in 1999 Study*****														ND	ND	925	****Not Tested for Above Contaminants in 1999 Study****						
Sparkletts-2011	0	0	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Sparkletts-1999	0	0	ND	31.1	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	227	ND	ND	ND	ND	ND	ND	
Springfield-2011	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.04	3.04	ND	ND	
Springfield-1999	0	0	ND	10	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2687	ND	ND	ND	ND	ND	ND	

MCL: Maximum Contaminant Level

ND: Not Detected

N/A: Not Applicable - No tests for Chromium+6 conducted in 1999 study

Gray Shaded Brands: Only 7 brands tested for ALL contaminants (except Cr+6) in both 1999 and 2011 studies

Attachment B: 2011 Bottled Water Study Result (63 Brands, 123 Samples) -- All Samples Tested for All Contaminants

Brand Name	Color	Odor	Turbidity	TDS	Cr+6	Al	As	Ba	Cd	Cr	Cu	Fe	Pb	Mn	Se	Ag	Zn	Hg	Coliform	E.coli	HPC	TTHM	VOCs	Pesticide
Lab Detection Limit	0	0	0.1 NTU	1 ppm	0.25ppb	50ppb	1ppb	50ppb	1ppb	2.5ppb	10ppb	50ppb	1ppb	20ppb	5ppb	1ppb	50ppb	0.5ppb	None	None	2 cfu/ml	0.5 ppb	0.5 ppb	0.01-10ppb
MCL/Action Level	15	3	5 NTU	500ppm	No MCL	200ppb	10ppb	2000ppb	5ppb	100ppb	1000ppb	300ppb	5ppb	50ppb	50ppb	100ppb	5000ppb	2ppb	None	None	No MCL	10ppb	2-10000ppb	0.2-50ppb
365 Springwater-1	0	0	ND	142	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
365 Springwater-2	0	0	ND	150	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7-Eleven-1	0	0	ND	124	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7-Eleven-2	0	0	ND	121	ND	ND	ND	59.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acqua Panna-1	0	0	ND	137	0.38	ND	ND	76.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acqua Panna-2	0	0	ND	147	0.42	ND	ND	76.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Activate-1	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Activate-2	0	0	ND	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Albertson's-1	0	0	ND	128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Albertson's-2	0	0	ND	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aquafina-1	0	0	ND	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aquafina-2	0	0	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND
Arrowhead-1	0	0	ND	258	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arrowhead-2	0	0	ND	262	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B Purified-1	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B Purified-2	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bristol Farm-1	0	0	ND	61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.94	ND	ND
Bristol Farm-2	0	0	ND	56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.32	ND	ND
Classic Selection-1	0	0	ND	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Classic Selection-2	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND
Crystal Geyser-1	0	0	0.12	144	0.33	63.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crystal Geyser-2	0	0	ND	142	0.37	ND	2.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crystal Lake-1	0	0	0.13	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crystal Lake-2	0	0	ND	114	ND	67.7	ND	54.5	ND	ND	ND	209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVS Infant-1	0	0	ND	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVS Infant-2	0	0	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Dasani-1	0	0	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dasani-2	0	0	0.12	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Deja Blue-1	0	0	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Deja Blue-2	0	0	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND
Earth2O-1	0	0	ND	155	0.93	ND	2.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Earth2O-2	0	0	ND	149	0.93	ND	2.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND

Brand Name	Color	Odor	Turbidity	TDS	Cr+6	Al	As	Ba	Cd	Cr	Cu	Fe	Pb	Mn	Se	Ag	Zn	Hg	Coliform	E.coli	HPC	TTHM	VOCs	Pesticide
Lab Detection Limit	0	0	0.1 NTU	1 ppm	0.25ppb	50ppb	1ppb	50ppb	1ppb	2.5ppb	10ppb	50ppb	1ppb	20ppb	5ppb	1ppb	50ppb	0.5ppb	None	None	2 cfu/ml	0.5 ppb	0.5 ppb	0.01-10ppb
MCL/Action Level	15	3	5 NTU	500ppm	No MCL	200ppb	10ppb	2000ppb	5ppb	100ppb	1000ppb	300ppb	5ppb	50ppb	50ppb	100ppb	5000ppb	2ppb	None	None	No MCL	10ppb	2-10000ppb	0.2-50ppb
Echo-1	0	0	0.12	77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Echo-2	0	0	ND	71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Eco2O-1	0	0	ND	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Eco2O-2	0	0	0.12	59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Enhanced-1	0	0	0.15	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Enhanced-2	0	0	0.14	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Essence-1	0	0	ND	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	383	ND	ND	ND	555	3.87	ND	ND
Essence-2	0	0	0.26	92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	292	ND	ND	ND	623	4.29	ND	ND
Essentia-1	0	0	0.13	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND
Essentia-2	0	0	ND	73	ND	ND	ND	ND	ND	ND	ND	209	4.03	ND	ND	ND	ND	ND	ND	ND	ND	3.74	ND	ND
Eternal-1	0	0	ND	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.58	ND	ND
Eternal-2	0	0	ND	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62	ND	ND
Evian-1	0	0	ND	335	ND	ND	ND	116	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Evian-2	0	0	ND	302	ND	ND	ND	118	ND	2.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71	ND	ND	ND
Fiji-1	0	0	ND	216	0.39	ND	1.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fiji-2	0	0	ND	231	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fresh & Easy-1	0	0	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fresh & Easy-2	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND
Function Water-1	0	0	ND	42	ND	ND	ND	ND	ND	ND	ND	152	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.5	ND	ND
Function Water-2	0	0	ND	32	ND	ND	ND	ND	ND	ND	ND	75.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.9	ND	ND
Gelsons-1	0	0	ND	94	1.05	ND	2.50	ND	ND	ND	22.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gelsons-2	0	0	ND	82	0.97	ND	2.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gerber-1	0	0	ND	96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gerber-2	0	0	ND	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Glaceau-1	0	0	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Glaceau-2	0	0	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Great Value-1	0	0	ND	108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Great Value-2	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hawaiian Springs-1	0	0	ND	76	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hawaiian Springs-2	0	0	ND	76	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ice Age-1	0	0	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.62	ND	ND
Ice Age-2	0	0	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.63	ND	ND
Ice Canyon-1	0	0	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ice Canyon-2	0	0	ND	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[illegible]

Brand Name	Color	Odor	Turbidity	TDS	Cr+6	Al	As	Ba	Cd	Cr	Cu	Fe	Pb	Mn	Se	Ag	Zn	Hg	Coliform	E.coli	HPC	TTHM	VOCs	Pesticide
Lab Detection Limit	0	0	0.1 NTU	1 ppm	0.25ppb	50ppb	1ppb	50ppb	1ppb	2.5ppb	10ppb	50ppb	1ppb	20ppb	5ppb	1ppb	50ppb	0.5ppb	None	None	2 cfu/ml	0.5 ppb	0.5 ppb	0.01-10ppb
MCL/Action Level	15	3	5 NTU	500ppm	No MCL	200ppb	10ppb	2000ppb	5ppb	100ppb	1000ppb	300ppb	5ppb	50ppb	50ppb	100ppb	5000ppb	2ppb	None	None	No MCL	10ppb	2-10000ppb	0.2-50ppb
Roxane-2	0	0	0.13	150	0.42	ND	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sahara-1	0	0	ND	57	ND	29.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.08	ND	ND
Sparkletts-1	0	0	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sparkletts-2	0	0	0.12	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Springfield-1	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.04	ND	ND
Sprouts-1	0	0	ND	159	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sprouts-2	0	0	ND	157	0.4	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Stater Bros.-1	0	0	ND	11	ND	ND	ND	ND	ND	ND	ND	66.3	1.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Stater Bros.-2	0	0	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trader Joe water-1	0	0	ND	146	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trader Joe water-2	0	0	ND	156	0.36	ND	3.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Valaria-1	0	0	ND	5	ND	ND	ND	ND	ND	ND	84.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Valaria-2	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volvic-1	0	0	ND	123	ND	ND	3.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	146	ND	ND	ND
Volvic-2	0	0	ND	127	ND	ND	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	239	ND	ND	ND
Voss-1	0	0	0.15	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.8	ND	ND	ND	ND	ND	ND	77	ND	ND	ND
Voss-2	0	0	0.15	26	ND	ND	ND	ND	ND	ND	ND	85.1	ND	39.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Waiwera-1	0	0	ND	102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Waiwera-2	0	0	ND	101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Wataah-1	0	0	ND	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Wataah-2	0	0	ND	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
World Market-1	0	0	ND	104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
World Market-2	0	0	ND	85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MCL: Maximum Contaminant Level

Note: Results highlighted in YELLOW indicated exceedance of the California State Bottled Water Regulatory Standard

Attachment C: 1999 Brands of Bottled Water Not Tested In 2011 (19 Brands)

Brand Name	Color	Odor	Turbidity	Total Dissolved Solids	Chromium+6	Aluminum	Arsenic	Barium	Cadmium	Total Chromium	Copper	Iron	Lead	Manganese	Selenium	Silver	Zinc	Mercury	Total Coliform	E. coli	Heterotrophic Plate Count Bacteria	Total Trihalomethanes	Other VOCs Volatile Organic Chem's	Pesticide
Lab Detection Limit	0	0	0.1 NTU	1 ppm	0.25ppb	50ppb	1ppb	50ppb	1ppb	2.5ppb	10ppb	50ppb	1ppb	20ppb	5ppb	1ppb	50ppb	0.5ppb	None	None	2 cfu/ml	0.5 ppb	0.5 ppb	0.01-10ppb
MCL/Action Level	15	3	5 NTU	500ppm	No MCL	200ppb	10ppb	2000ppb	5ppb	100ppb	1000ppb	300ppb	5ppb	50ppb	50ppb	100ppb	5000ppb	2ppb	None	None	No MCL	10ppb	2-10000ppb	0.2-50ppb
Castle Rock	0	0	ND	72	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT
Calistoga	0	0	ND	110	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	2	NT	NT	NT
Cobb Mountain	0	0	0.12	42	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	3	NT	NT	NT
Crystal Glacier	0	0	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1680	ND	ND	ND
Dannon	0	0	1.13	250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	5700	NT	NT	NT
High Sierrs	0	0	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	30	NT	NT	NT
Lady Lee	0	0	ND	104	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT
Lucky	0	0	ND	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Noy	0	0	0.13	130	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	3850	NT	NT	NT
Oasis	0	0	ND	48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND
Ojai	0	0	0.32	416	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	5700	NT	NT	NT
Palomar Mountain	0	0	0.1	122	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	15	NT	NT	NT
Private Selection	0	0	ND	106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND
Ramona	0	0	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	8.6	ND	ND
Red & White	0	0	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2460	ND	ND	ND
Relief from Hell	0	0	ND	24	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	NT	NT	NT
Rocky Mountain	0	0	ND	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Ross Swiss	0	0	0.11	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	11.4	ND	ND
Sport Cap	0	0	0.11	70	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	4	NT	NT	NT

MCL: Maximum Contaminant Level
ND: Not Detected
NT: Not Tested in 1999 Study (no data available)

